

ABSTRACT OF THE DISCLOSURE

A surveillance system for an aircraft includes a first antenna comprising a four radiating element antenna. The first antenna is configured for electrical coupling to a first air traffic control transponder and a first traffic alert and collision avoidance system, and a second antenna comprises a single element antenna configured for electrical coupling to a second air traffic control transponder. The surveillance system also comprises a second antenna comprising a single radiating element antenna configured for electrical coupling to a second air traffic control transponder. The surveillance system also comprises a first mounting interface configured for coupling the first antenna to the aircraft. The surveillance system also comprises a second mounting interface configured for coupling a second antenna to the aircraft. The mounting interface of the first antenna has a size and a shape corresponding to a size and shape of the mounting interface of the second antenna.